# Household Component - Insurance Component Linked Data, 1998

# RESEARCH FILE (non-nationally representative data)

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#### **User Note**

This documentation describes the third in a series of research files providing linked data from the household and insurance components of the Medical Expenditure Panel Survey (MEPS) – the HC-IC Link files. This file contains data from the 1998 Medical Expenditure Panel Survey that is being released for research purposes only.

Significant survey non-response, compounded by the multiple stages of the collection process, prevents these data from being used to make nationally representative estimates. There are also respondent confidentiality concerns that could not be addressed in a public use file without significant modifications to the data that would affect data analysis. There is no sampling weight included in this file and users are warned to exercise caution in generalizing their results beyond the sample of persons included in the file.

The data on this file are provided as a MEPS Research File, and as such are intended for sophisticated users who are familiar with the MEPS public use files and have experience analyzing complex survey data. The data file in this release has not been subjected to the same level of quality control as standard MEPS public use tapes. Therefore, the data from these files should be analyzed and interpreted with care.

## A. Data Use Agreement

Individual identifiers have been removed from the microdata contained in the files on this CD-ROM. Nevertheless, under sections 308 (d) and 903 (c) of the Public Health Service Act (42 U.S.C. 242m and 42 U.S.C. 299 a-1), data collected by the Agency for Healthcare Research and Quality (AHRQ) and/or the National Center for Health Statistics (NCHS) may not be used for any purpose other than for the purpose for which they were supplied; any effort to determine the identity of any reported cases, is prohibited by law.

Therefore in accordance with the above referenced Federal statute, it is understood that:

- 1. No one is to use the data in this data set in any way except for statistical reporting and analysis.
- 2. If the identity of any person or establishment should be discovered inadvertently, then (a) no use will be made of this knowledge, (b) the Director, Office of Management, AHRQ will be advised of this incident, (c) the information that would identify any individual or establishment will be safeguarded or destroyed, as requested by AHRQ, and (d) no one else will be informed of the discovered identity.
- 3. No one will attempt to link this data set with individually identifiable records from any data sets other than the Medical Expenditure Panel Survey or the National Health Interview Survey.

By using these data you signify your agreement to comply with the above-stated statutorily based requirements, with the knowledge that deliberately making a false statement in any matter within the jurisdiction of any department or agency of the Federal Government violates 18 U.S.C. 1001 and is punishable by a fine of up to \$10,000 or up to 5 years in prison.

The Agency for Healthcare Research and Quality requests that users cite AHRQ and the Medical Expenditure Panel Survey as the data source in any publications or research based upon these data.

## **B.** Background Survey Information

The Medical Expenditure Panel Survey (MEPS) provides nationally representative estimates of health care use, expenditures, sources of payment, and insurance coverage for the U.S. civilian noninstitutionalized population. MEPS is cosponsored by the Agency for Healthcare Research and Quality (AHRQ) and the National Center for Health Statistics (NCHS).

MEPS is a family of three surveys. The Household Component (HC) is the core survey and forms the basis for the Medical Provider Component (MPC) and part of the Insurance Component (IC). Together these surveys yield comprehensive data that provide national estimates of the level and distribution of health care use and expenditures, support health services research, and can be used to assess health care policy implications.

MEPS is the third in a series of national probability surveys conducted by AHRQ on the financing and use of medical care in the United States. The National Medical Care Expenditure Survey (NMCES, also known as NMES-1) was conducted in 1977 and the National Medical Expenditure Survey (NMES-2) in 1987. Since 1996, MEPS continues this series with design enhancements and efficiencies that provide a more current data resource to capture the changing dynamics of the health care delivery and insurance systems.

The design efficiencies incorporated into MEPS are in accordance with the Department of Health and Human Services (DHHS) Survey Integration Plan of June 1995, which focused on consolidating DHHS surveys, achieving cost efficiencies, reducing respondent burden, and enhancing analytical capacities. To advance these goals, MEPS includes linkage with the National Health Interview Survey (NHIS) - a survey conducted by NCHS from which the sample for the MEPS HC is drawn-and enhanced longitudinal data collection for core survey components. The MEPS HC augments NHIS by selecting a sample of NHIS respondents, collecting additional data on their health care expenditures, and linking these data with additional information collected from the respondents' medical providers, employers, and insurance providers.

## 1.0 Household Component

The MEPS HC, a nationally representative survey of the U.S. civilian noninstitutionalized population, collects medical expenditure data at both the person and household levels. The HC collects detailed data on demographic characteristics, health conditions, health status, use of medical care services, charges and payments, access to care, satisfaction with care, health insurance coverage, income, and employment.

The HC uses an overlapping panel design in which data are collected through a preliminary contact followed by a series of five rounds of interviews over a 2½-year period. Using computer-assisted personal interviewing (CAPI) technology, data on medical expenditures and use for two calendar years are collected from each household. This series of data collection rounds is launched each subsequent year on a new sample of households to provide overlapping panels of survey data and, when combined with other ongoing panels, will provide continuous and current estimates of health

care expenditures.

The sampling frame for the MEPS HC is drawn from respondents to NHIS, conducted by NCHS. NHIS provides a nationally representative sample of the U.S. civilian noninstitutionalized population, with oversampling of Hispanics and blacks.

## 2.0 Insurance Component

The MEPS IC is an annual survey that collects data on health insurance plans obtained through employers. Data obtained in the IC include the number and types of private insurance plans offered, benefits associated with these plans, premiums, contributions by employers and employees, eligibility requirements, and employer characteristics. Data are collected from the selected organizations through a prescreening telephone interview, a mailed questionnaire, and a telephone follow-up for nonrespondents.

The sample for the 1998 MEPS IC is made up of two parts, the household sample and the list sample. The data included in this file are limited to the household sample but both samples are described here for background purposes. Similar information is collected for each sample although the sources of the samples and their purposes and uses are very different. Because of the similarity in data to be collected the parts are combined for collection purposes only. They are not combined for analytic purposes.

## Household Sample

The MEPS IC household sample consists of employers of respondents to the HC and is the basis for the HC-IC Link file. These employers serve as proxy respondents for persons in the HC sample, providing details on health insurance choice and coverage, which are not readily known by employees. Data from the MEPS IC household sample are collected under the authority of AHRQ and NCHS and are linked with other person-level information from the HC survey in order to produce this research file. These data are only available to researchers using the CCFS research data center located in the AHRQ offices in Rockville, Maryland.

#### List Sample

The list sample is a nationally representative random sample of private-sector establishments and governments. Both of these groups were selected independent of one another and independent of the household sample. Private-sector establishments were selected from the most recent Census Bureau Business Register (a.k.a. the Standard Statistical Establishment List), a list of private-sector establishments maintained by Census. Governments were selected from the 1997 Census of Governments, maintained by the Census Bureau's Governments Division.

The list sample is designed to contain a large enough sample of private-sector establishments and governments to support employee and establishment estimates at the national level and at the state

level for 40 States in a given year. Further details concerning strata used, sample and sample allocations can be found in Sommers, (1999).

<a href="http://www.meps.ahrq.gov/PrintProducts/PrintProd">http://www.meps.ahrq.gov/PrintProducts/PrintProd</a> Detail.asp?ID=39>

Tables from the MEPS IC list sample providing both national and State level estimates are available on the MEPS web site at <a href="http://www.meps.ahrq.gov/Data">http://www.meps.ahrq.gov/Data</a> Pub/IC Tables.htm>.

## 3.0 Medical Provider Component

The MEPS MPC supplements and validates information on medical care events reported in the MEPS HC by contacting medical providers and pharmacies identified by household respondents. The MPC sample includes all hospitals, hospital physicians, home health agencies, and pharmacies reported in the HC. Also included in the MPC are all office-based physicians:

- Providing care for HC respondents receiving Medicaid.
- Associated with a 75-percent sample of HC households receiving care through an HMO (health maintenance organization) or managed care plan.
- Associated with a 25-percent sample of the remaining HC households.

Data are collected on medical and financial characteristics of medical and pharmacy events reported by HC respondents, including:

- Diagnoses coded according to ICD-9-CM (9th Revision, International Classification of Diseases) and DSM-IV (Fourth Edition, *Diagnostic and Statistical Manual of Mental Disorders*).
- Physician procedure codes classified by CPT-4 (Common Procedure Terminology, Version 4).
- Inpatient stay codes classified by DRGs (diagnosis-related groups).
- Prescriptions coded by national drug code (NDC), medication name, strength, and quantity dispensed.
- Charges, payments, and the reasons for any difference between charges and payments.

The MPC is conducted through telephone interviews and mailed survey materials. MPC data are released in conjunction with the MEPS HC.

## 4.0 Survey Management

MEPS HC data and MEPS IC household sample data are collected under the authority of the Public Health Service Act. They are edited and published in accordance with the confidentiality provisions of this act and the Privacy Act. NCHS provides consultation and technical assistance.

As soon as data collection and editing are completed, MEPS HC survey data are released to the

public in staged releases of summary reports and microdata files. Summary reports are released as printed documents and electronic files. Microdata files are released on CD-ROM and/or as electronic files. By contrast, MEPS IC survey data including the HC-IC Link files are not released to the public.

Additional information on MEPS is available from the MEPS project manager or the MEPS public use data manager at:

Center for Cost and Financing Studies Agency for Healthcare Research and Quality 540 Gaither Road Rockville, MD 20850

E-mail address: MepsPD@ahrq.gov Telephone number: 301 427-1406

## C. Technical and Programming Information

#### 1.0 General Information

This documentation describes the 1998 Household Component - Insurance Component (HC-IC) linked data file from the Medical Expenditure Panel Survey. The 1998 HC-IC Link file is available as a research file in SAS file format in the CCFS data center. The HC-IC Link files cannot be released as public use files due to:

- significant survey non-response, compounded by the multiple stages of the collection process, that prevents these data from being used to make nationally representative estimates, and
- respondent confidentiality concerns that cannot be addressed in a public use file without significant modifications to the data that would affect data analysis.

Although the data in this file cannot support national estimates, they can serve many other research purposes. Nonetheless, AHRQ urges researchers to exercise caution in interpreting the HC-IC link data and generalizing beyond the sample of persons for whom data exists.

The household sample of the MEPS IC is a follow-back survey of employers of persons interviewed in the MEPS HC survey during 1998. The 1998 IC household results and the HC results are linked to provide a data set with important information that cannot be obtained by a survey done solely of households or solely of establishments. For example, employers are able to supply information on plan choice and costs that is not known by jobholders. Information on health insurance premiums, contributions to premiums by employers and employees, employer characteristics, number and types of private insurance plans offered and benefits associated with these plans are collected from the IC household sample establishments and included in this file. Similarly, household respondents have information that is not easily obtainable from an employer, such as detailed demographic characteristics of the jobholder and their household. These data are collected in the MEPS HC and placed on the linked file.

The following documentation offers a brief overview of the types and levels of data provided, the content and structure of the files, and codebook and programming information. It contains the following sections:

- Data File Description
- Imputations in the HC-IC Link File
- Codebook Structure
- Data File Contents

For more information on MEPS HC survey design see:

S. Cohen, 1997 < <a href="http://www.meps.ahrq.gov/PrintProducts/PrintProd\_Detail.asp?ID=35">http://www.meps.ahrq.gov/PrintProducts/PrintProd\_Detail.asp?ID=35</a>> and J.Cohen, 1997 < <a href="http://www.meps.ahrq.gov/PrintProducts/PrintProd\_Detail.asp?ID=32">http://www.meps.ahrq.gov/PrintProducts/PrintProd\_Detail.asp?ID=35</a>>.

Information on the MEPS IC and copies of the IC instruments are available on the MEPS web site at the following locations: <a href="http://www.meps.ahrq.gov/MEPSDATA/ic/2000/techappendix.htm">http://www.meps.ahrq.gov/MEPSDATA/ic/2000/techappendix.htm</a>

<a href="http://www.meps.ahrq.gov/survey.htm">http://www.meps.ahrq.gov/survey.htm</a>#ic1997>

#### 2.0 Data File Description

The 1998 MEPS IC household sample survey collected health insurance information from two samples of establishments from the MEPS HC survey:

- All establishments identified in Panel 2 Round 3 of the HC as the person's current main job or a secondary job through which they obtained health insurance.
- A 25% sample of establishments identified in Panel 3 Round 1 of the HC as the person's current main job or a secondary job through which they obtained health insurance.

The HC-IC Link file contains records for those resulting establishment/person pairs where health insurance was offered to employees by the establishment in 1998 and the establishment provided some information about the health insurance plans.

There is no record on the HC-IC Link file for establishment/person pairs where:

- the household was unable or refused to provide the employer's address,
- the employer could not be located with the information provided from the household,
- the employer went out-of-business or closed the establishment before the IC collection date,
- the employer did not respond to the IC survey,
- the employer did not offer health insurance at that establishment, or
- the employer did offer health insurance <u>but</u> did not provide plan-level data.

There are multiple records on the HC-IC Link file for establishment/person pairs where the establishment offered a choice of health insurance plan to its employees and provided data for those plans. The number of plans reported was limited to the four plans with the highest enrollments for private-sector establishments and to three plans for the largest companies that face the heaviest respondent burden. No collection limits were placed on the number of plans reported for State and local governments or the Federal government. There are constructed flags that identify which plan is believed to be the one held by the policyholder (see Section 5.3 for more information.). A person can also have multiple records on this file if they hold more than one job.

In order to present all this information in one flat data file, there is a unique record for every personestablishment-plan combination.

- Person refers to the policyholder or jobholder.
- Establishment refers to the source of employment for that person. An establishment can be a private-sector or public-sector employer.
- Plan refers to each health insurance plan offered by the employer.

## 3.0 Imputations in the HC-IC Link File

This file contains both original and imputed variables. Variables from the MEPS IC survey whose names begin with the letter 'C' followed by three digits contain "collected" data while variables whose names begin with the letter 'I' followed by three digits contain 'imputed' data. Any

differences between these two versions of the same variable are due to imputations. For a more detailed description of the imputation methods used for the core MEPS IC variables in both the household and the list samples see Sommers, 1999. <a href="http://www.meps.ahrq.gov/MEPSDATA/ic/2000/techappendix.htm">http://www.meps.ahrq.gov/MEPSDATA/ic/2000/techappendix.htm</a>>

#### 4.0 Codebook Structure

For each variable on the file, unweighted frequencies are provided. Weighted frequencies are not provided with this file because there is no sample weight. As stated above this file is available for research purposes only and cannot support nationally representative estimates. The codebook and data file sequence list variables in the following order:

Unique person and establishment identifiers from Household Component (HC)

Unique establishment, government unit and plan identifiers from the Insurance Component (IC)

Constructed variables to aid researchers

Demographic variables from the Household Component (HC)

Employment section variables from the Household Component (HC)

Variables from the Insurance Component instruments (IC)

#### 4.1 Reserved Codes

The following reserved code values are used for HC variables:

VALUE	DEFINITION
-1 INAPPLICABLE	Question was not asked due to skip pattern.
-3 NO DATA IN ROUND	Person has no data in round.
-6 MIXTURE	Both inapplicable cases and not ascertained cases in situations
	where they could not be distinguished
-7 REFUSED	Question was asked and respondent refused to answer question.
-8 DK	Question was asked and respondent did not know answer.
-9 NOT ASCERTAINED	Interviewer did not record the data.

#### 4.2 Codebook Format

IDENTIFIED

This codebook describes an ASCII data set and provides the following information for each variable:

IDENTIFIER	DESCRIPTION
Name	Variable name (maximum of 8 characters)
Description	Variable descriptor (maximum of 40 characters)
Format	Number of bytes
Type	Type of data: numeric (NUM) or character (CHAR)
Start	Beginning column position of variable in record
End	Ending column position of variable in record

DECODIDATION

#### 4.3 Variable Naming

In general, HC variable names reflect the content of the variable with an 8 character limitation. Variables from the IC survey beginning with the letter "C" followed by three digits refer to original collected data. Variables beginning with the letter "I" followed by three digits may contain imputed data

#### 5.0 Data File Contents

#### 5.1 Identifiers from the HC

In the MEPS HC, the definitions of Dwelling Units (DUs) and Group Quarters are generally consistent with the definitions employed for the National Health Interview Survey. The dwelling unit ID (DUID) is a five-digit random ID number assigned after the case was sampled for MEPS. The person number (PID) uniquely identifies each person within the dwelling unit. The variable DUPERSID is the combination of the variables DUID and PID.

ESTBIDX is a unique four-digit ID number assigned to places of employment during the household interview. This identifier bears no relation to the establishment identifiers assigned during the Insurance Component survey. PANEL98 identifies whether the establishment is linked back to Panel 2 or Panel 3 of the MEPS-HC survey.

#### 5.2 Identifiers from the IC

FEHBP stands for the Federal Employees Health Benefits Program and the variable with this name contains a three-character code that uniquely identifies a specific federal employee health plan. The plan name and other plan identifiers were collected in the HC, but the FEHBP codes were assigned by MEPS staff using that data and information from the U.S. Office of Personnel Management. All plan-level data for federal health plans was abstracted from plan booklets available on the OPM website. <a href="http://www.opm.gov/insure/health/brochures/index.asp">http://www.opm.gov/insure/health/brochures/index.asp</a>> Plan options for federal employees were determined at the county level.

MID is a 6 character identifier that was assigned sequentially to identify each private establishment and governmental unit. MID = '006000' identifies the federal government. MPLANT is a 5 character identifier that can be used along with MID to identify subunits of State and local governments. PART\_CD is a two character identifier that uniquely identifies each plan within each establishment or governmental unit.

#### 5.3 Constructed Flags and Count Variables

ICSOURCE is a constructed variable in the HC-IC link file which indicates where the IC data were collected. Private employers and State and local governments were surveyed separately within the IC survey. Information on federal health plans for federal jobholders was added later to the file using household reported plan identifiers and plan data obtained from the U.S. Office of Personnel Management. MIDPLAN counts the number of plans per establishment. As noted earlier, there is a unique record in this file for every person-establishment-plan combination.

Three variables were constructed to describe the relationship between the person and the health insurance plan during the processing stages of creating this file: PICK, MATCHPLN, and MATCHPLR. These variables were first created with the 1997 HC-IC link file in response to survey changes made between 1996 and 1997.

In the 1996 IC survey, a person-level questionnaire was used to ask the employer to identify the plan held by the specific HC person among the plans offered in the establishment. The link between the employee and their health insurance plan was made based on these data. There were significant processing problems and non-response issues with this data collection effort. Using a person-level form required the collection of a permission form from the person, granting the release of personal information from their employer, and distribution of this permission form to the employer as part of the data collection effort. In addition to employee concerns about AHRQ contacting their employers and asking for personal information, the employers also expressed significant reluctance in providing data from individual personnel files, even with signed permission forms from their employees. The large number of person-level forms also significantly increased the response burden for larger companies which, in turn, made them more reluctant to participate in the survey. In 1997 and beyond, the collection process was changed to reduce respondent burden and collection costs, while hopefully maintaining or improving on the number of linked cases.

The 1997 IC survey dropped the person-level questionnaires and permission forms and opted instead for a name match of plan names from the person and the establishment. This methodology was subsequently used in 1998 as well. The person was asked in the HC survey to provide the name of their insurance plan and the employer from which they obtained their coverage. The employer was then interviewed in the IC survey about health insurance offerings to all employees. No person-level information was available to the IC survey collectors and no person-level information was collected from the employer.

Therefore, the match of the plan held by the HC person with a plan offered by their employer had to be made based on the name of the plan and other plan characteristics such as provider type. While avoiding many of the problems associated with the 1996 matching, there were still data collection issues that contributed to non-response. Among these were non-unique plan names and limited or missing plan information from either the person or the establishment or both.

While more details of this matching process will be provided in a separate document, the process consisted of three basic steps:

- Step 1 Automated, computerized matching of plan names based on HC and IC variable character strings.
- Step 2 Manual matching of plan names by MEPS staff based on text and other variables.
- Step 3 Random matching to one of the equally probable choices remaining.

PICK indicates the results of the automated process for matching plan names (Step 1) and provides details about the status of the match at that stage. MATCHPLN indicates the results of the matching after MEPS staff individually reviewed cases not matched by the automated process (Step 2) to determine if additional matches could reasonably be made. In some cases, a unique employer plan could not be matched to the person. In those cases, all of the equally possible plan matches were assigned a value MATCHPLN=2. MATCHPLR takes matching one step further (Step 3); by randomly selecting one of those plans for those cases where MATCHPLN=2. All policyholders are matched to a plan at this point.

For persons whose employer reported a choice of health insurance plans, the person-level and establishment-level data are repeated on each record while health insurance plan information is contained in the plan level variables, with each record reporting data on a different plan. If a person is not enrolled in any plan through a specific establishment, a value indicating that health insurance is not taken from that establishment is entered for PICK, MATCHPLN, and MATCHPLR for each plan record for the person-establishment pair. Examples are given below:

<u>PERSID</u>	MID + MPLANT	PART CD	<u>MATCHPLN</u>	<u>MATCHPLR</u>
Person A	Employer 1	Health plan 1	1=unique match	1=unique match
Person B	Employer 1	Health plan 1	0=HI not taken fr job	0=HI not taken fr job
Person B	Employer 2	Health plan 1	1=unique match	1=unique match
Person C	Employer 3	Health plan 1	3=not matched	2=not matched
Person C	Employer 3	Health plan 2	1=unique match	1=unique match
Person C	Employer 3	Health plan 3	3=not matched	2=not matched
Person D	Employer 4	Health plan 1	2=mult. possbl mtchs	1=unique match
Person D	Employer 4	Health plan 2	2=mult. possbl mtchs	2=not matched
Person E	Employer 5	Health plan 1	3=not matched	2=not matched
Person E	Employer 5	Health plan 2	2=mult. possbl mtchs	1=unique match
Person E	Employer 5	Health plan 3	2=mult. possbl mtchs	2=not matched

The next three variables were constructed based on data from the HC. ENROLLED indicates whether the person is enrolled in a health insurance plan (not necessarily the plan on the record) through that establishment. OFFERED indicates whether the person was offered health insurance through the establishment. JOBSTAT identifies whether the job status of the person is as an active or former employee. Retirees are excluded from this file because retiree plans are not collected in the IC survey.

SINGFAM is defined for cases where MATCHPLR=1 (a unique match) to persons who held health insurance. SINGFAM indicates whether the plan held was a single or family policy. SINGFAM was determined by the number of dependents linked to the policyholder in the household reported data or whether the plan covered a person outside of the household reporting unit.

## 5.4 Demographic Variables from the HC

Age as of Round 1, race/ethnicity, and sex are added to this file for the convenience of researchers. This information was collected in the household interview.

#### 5.5 Job Specific Information from the HC

In addition to the demographic variables, information from the HC employment section was also appended to the file. Job specific information was linked at the person-establishment level. JOBSINFO indicates whether there was a valid link to the employment section file. Other HC job-related variables provide data on whether the person was self-employed or worked for someone else, an estimate of the total number of employees where the jobholder works, whether there was more than one location of the jobholder's firm, and other job-related benefits.

#### 5.6 Variables from the IC Questionnaires

The last and largest set of variables on this file is the variables collected from establishments during the IC survey. The IC survey uses 10 different questionnaires and a computer-based telephone follow-up collection instrument in its collection process. All of the IC questionnaires are available for downloading from the MEPS web site. The questionnaires vary due to the type of establishment receiving the questionnaire (private-sector establishment, large firm with multiple establishments, governmental agencies, large governments) and the type of data being collected (establishment data, plan data). The questionnaires for different types and sizes of establishments have many of the same questions, but with slight wording variations and different question numbers due to their location on the forms. For this reason, each question is assigned a keycode (a 3-digit code that appears on the forms in small print next to each question, box or check-off) that remains consistent across all survey questionnaires. This keycode is used in construction of the variables on the data base.

For example, the first question in the MEPS-10 questionnaire (administered to establishments), asks

whether the establishment provided health insurance to its employees in 1998. The question is identified on the questionnaire with two numbers. The questionnaire number (A1a) guides the respondent through the instrument. Next to the response box for question A1a is the keycode 001 which corresponds to the variable name used in the data file; thus the variable named C001 indicates whether the establishment offered health insurance to its employees. The "C" stands for collected data (as opposed to imputed data) and the 001 indicates the keycode.

Variables are positioned on the file in numeric order even when item numbers do not always follow consecutively through the instrument. Descriptive labels have been added to the variables in order to make the file easier to use. In addition, a crosswalk table is provided below that indicates the item number on the IC questionnaire(s) corresponding to each variable. Some variables are not found in the questionnaires because they were collected during telephone follow-up.

## 5.7 Annualized Premium Variables in the Insurance Component

For a typical employee, C130, C131, and C132 contain the total single premium and contributions while C134, C135, and C136 contain the total family premium and contributions for a family of four. Imputed versions of these six variables follow the collected versions and are named I130, I131, I132, I134, I135, and I136. The premium values in all twelve of these variables have already been annualized. C133 contains the periodicity of premiums as originally reported.

		QUESTIONNAIRE												
VARIABLE	LABEL	10	10M	11	11C	15	10 (S)	10M (S)	11 (S)	11C (S)	15 (S)			
C001	ESTABLISHMENT PROVIDES H.I. TO EMPLOYEES	Ala	Ala	Ala	A1a	A2a								
C003	NUMBER OF H.I. PLANS OFFERED	A1b	Alb	Alb	A1b	A2b								
C016	% EMPLOYEES/MEMBERS - WOMEN	C6a		B4a	B4a	B5a								
C017	% EMPLOY EES/MEMBERS - AGE 50+	C6b		B4b	B4b	B5b								
C018	% EMPLOYEES WHO WERE UNION MEMBERS	C6c	В4	B4c	B4c	B5c								
C022	% EMPLOYEES/MEMBERS EARN \$6.50/HR OR LESS	C6d		B4d	B4d	B5d								
C023	% EMPLOYEES/MEMBERS EARN \$6.50-\$15/HR	C6d		B4d	B4d	B5d								
C024	% EMPLOYEES/MEMBERS EARN \$15/HR OR MORE	C6d		B4d	B4d	B5d								
C031	HEALTH INSURANCE OFFERED LAST FIVE YEARS	B1a												
C032	LAST YEAR HEALTH INSURANCE OFFERED	B1b												
C034	TOTAL EMPLOYEES/MEMBERS IN ALL LOCATIONS	C1				B1a								
C041	NUMBER OF HOURS CONSIDERED FULL-TIME	С7	В2	В5	В5									
C045	VOUCHER PRO VIDED FOR INSURANCE PURCHASE	B3a												
C046	VOUCHER FOR INSURANCE ONLY/OTHER PURPOSE	ВЗЬ												
C047	AVERAGE VALUE OF VOUCHER PER EMPLOYEE	ВЗс												
C048	VOUCHER PAYMENT CYCLE	B3d												
C049	BUSINESS PAID PROVIDERS DIRECTLY	В2												
C050	ESTABLISHMENT OFFERS PAID VACATION	D2a		Cla	C1a	D1a								
C051	ESTABLISHMENT OFFERS PAID SICK LEAVE	D2a		Cla	C1a	D1a								
C052	ESTABLISHMENT OFFERS LIFE INSURANCE	D2a		C1a	C1a	D1a								
C053	ESTABLISHMENT OFFERS DISABILITY INSURANCE	D2a		C1a	C1a	D1a								
C054	ESTABLISHMENT OFFERS PENSION PLAN	D2a		C1a	C1a	D1a								

		QUESTIONNAIRE												
VARIABLE	LABEL	10	10M	11	11C	15	10 (S)	10M (S)	11 (S)	11C (S)	15 (S)			
C055	ESTABLISHMENT OFFERS MEDICAL SAVINGS ACCTS	D2a		C1a	C1a	D1a								
C056	ESTABLISHMENT OFFERS FLEXIBLE SPEND ACCTS	D2a		C1a	C1a	D1a								
C057	ESTABLISHMENT OFFERS CAFETERIA PLAN	D2a		C1a	C1a	D1a								
C058	AVERAGE ANNUAL VALUE CAFETERIA PLAN	D2b		C1b	C1b	D1b								
C060	PRINCIPAL BUSINESS ACTIVITY	D5				D3								
C062	TYPE OF OWNERSHIP	D3				D2								
C063	NON-PROFIT BUSINESS	D4												
C064	NUMBER OF YEARS COMPANY IN BUSINESS	D6				D4								
C099	PREMIUMS VARIATION: OTHER SPECIFY						11a		10a	7a	10a			
C103	PROVIDER TYPE: EXCLUSIVE / ALL / MIXTURE						2	2	2		1			
C104	REFERRAL REQUIRED TO SEE SPECIALISTS						3	3	3		3			
C105	INDEMNIFICATION: PURCHASED/SELF-INSURED						5	4	4	2	4			
C106	SI PLAN:SELF-ADMINISTERED OR TPA						6a	5	5a	3a	5a			
C107	SI PLAN:PURCHASE STOP-LOSS COVERAGE						6b		5b	3b	5b			
C108	TOTAL COST OF COVERAGE						6c		5c		5c			
C109	MONTHLY PREM EQUIVALENT - SINGLE COVERAGE						6d		5d		5d			
C110	MONTHLY PREM EQUIVALENT - FAMILY COVERAGE						6e		5e		5e			
C111	AMOUNT: PREMIUM EQUIVALENT OR COBRA						6f		5f		5f			
C112	PURCHASED THROUGH A POOLING ARRANGEMENT						4							
C113	OPERATED BY: UNION/TRADE ASSOC./NEITHER						7		6		6			
C122	OUTSIDE CONTRIBUTION TOWARD PREMIUM						11c		10c		10c			
C123	MONTH PLAN YEAR BEGIN						20		19	10	19			

					QI	JESTIO	NNAIR	E			
VARIABLE	LABEL	10	10M	11	11C	15	10 (S)	10M (S)	11 (S)	11C (S)	15 (S)
C124	FED ONLY: TOTAL# ENROLLEES IN PLAN - STATE										
C124TOT	FED ONLY: TOTAL # ENROLLEES IN PLAN - USA										
C125	TOTAL ACTIVE EMPLOYEES/MEMBERS ENROLLED						8a	10a	7a	4a	7a
C125TOT	FED ONLY: TOT. ACT. EMPLS ENROLLED - USA										
C126	TOTAL NUMBER ENROLLED THROUGH COBRA						8c		7c	4c	7c
C127	FED ONLY: TOT. # RETIREES ENROLLED - STATE										
C127TOT	FED ONLY: TOT. # RETIREES ENROLLED - USA										
C128	FED ONLY: TOT. # RET 65+ ENROLLED - STATE										
C128TOT	FED ONLY: TOT. # RET 65+ ENROLLED - USA										
C129	TOTAL ENROLLEES WITH SINGLE COVERAGE						8b	10b	7b	4b	7b
C129TOT	FED ONLY: TOT ENROLLED - SINGLE COV USA										
C130	TOTAL PREMIUM: SINGLE COVERAGE						9d	6c	8d	5c	8d
C131	EMPLOYER CONTRIBUTION: SINGLE COVERAGE						9b		8b	5a	8b
C132	EMPLOYEE CONTRIBUTION: SINGLE COVERAGE						9c	6b	8c	5b	8c
C133	PREMIUM PERIOD : TOTAL PREMIUM						9e	6d	8e	5d	8e
C134	TOTAL PREMIUM : FAMILY COVERAGE						10d	7c	9d	6d	9d
C135	EMPLOYER CONTRIBUTION: FAMILY COVERAGE						10b		9b	6b	9b
C136	EMPLOYEE CONTRIBUTION: FAMILY COVERAGE						10c	7b	9c	6c	9c
C137	FAMILY COVERAGE OFFERED						10a	7a	9a	6a	9a
C138	PREMIUMS VARIED BY AGE						11a		10a	7a	10a
C139	PREMIUMS VARIED BY SEX						11a		10a	7a	10a

					QI	JESTIO	NNAIR	E			
VARIABLE	LABEL	10	10M	11	11C	15	10 (S)	10M (S)	11 (S)	11C (S)	15 (S)
C140	PREMIUMS VARIED BY # PERSONS IN FAMILY						11a		10a	7a	10a
C141	PREMIUMS VARIED BY WAGE LEVELS						11a		10a	7a	10a
C142	PREMIUMS VARIED BY OTHER REASON (SPECIFY)						11a		10a	7a	10a
C143	EMPLOYEE CONTRIBUTION VARIED BY STATUS						11b		10b	7b	10b
C144	PREMIUM INCLUDED LIFE INSURANCE						12		11		11
C145	PREMIUM INCLUDED DISABILITY INSURANCE						12		11		11
C146	TOTAL ANNUAL DEDUCTIBLE: INDIVIDUAL						13b		12b		12b
C147	DEDUCTIBLE - PHYSICIAN CARE						13b		12b		12b
C148	DEDUCTIBLE - HOSPITAL CARE						13b		12b		12b
C149	TOTAL ANNUAL DEDUCTIBLE: FAMILY						14c		13c		13c
C150	# OF PERSONS TO MEET FAMILY DEDUCTIBLE						14b		13b		13b
C151	PLAN HAS A DEDUCTIBLE						13a	8	12a		12a
C152	HOSPITAL STAY COST: AFTER DEDUCTIBLE MET						15b		14b		14b
C153	HOSPITAL STAY %: AFTER DEDUCTIBLE MET						15b		14b		14b
C154	COST PER DAY / PER STAY						15b		14b		14b
C155	HOSPITAL CARE COVERED						15a		14a		14a
C156	PHYSICIAN VISIT COST: AFTER DEDUCTIBLE						15d		14d		14d
C157	PHYSICIAN VISIT %: AFTER DEDUCTIBLE						15d		14d		14d
C158	NO MAXIMUM PLAN PAYMENT						16a		15a		15a
C159	MAXIMUM AMOUNT PLAN PAYS IN A LIFETIME						16a		15a		15a
C160	MAXIMUM AMOUNT PLAN PAYS IN ANNUALLY						16b		15b		15b
C161	MAXIMUM ANNUAL OUT-OF-POCKET: INDIVIDUAL						17a		16a		16a

		QUESTIONNA								NAIRE					
VARIABLE	LABEL	10	10M	11	11C	15	10 (S)	10M (S)	11 (S)	11C (S)	15 (S)				
C162	MAXIMUM ANNUAL OUT-OF-POCK ET: FAMILY						17b		16b		16b				
C163	NO MAXIMUM ANNUAL OUT-OF-POCKET AMOUNT						17a		16a		16a				
C164	PLAN INCLUDES ROUTINE MAMMOGRAMS						21		20		20				
C165	PLAN INCLUDES ADULT ROUTINE PHY SICALS						21	9	20		20				
C166	PLAN INCLUDES ROUTINE PAP SMEARS						21	9	20		20				
C167	PLAN INCLUDES OFFICE VISITS PRENATAL CARE						21		20		20				
C168	PLAN INCLUDES ADULT IMMUNIZATIONS						21		20		20				
C169	PLAN INCLUDES CHILD IMMUNIZATIONS						21		20		20				
C170	PLAN INCLUDES WELL-BABY CARE, UNDER 1 YEAR						21	9	20		20				
C171	PLAN INCLUDES WELL-CHILD CARE, 1-4 YEARS						21		20		20				
C173	PLAN INCLUDES CHIROPRACTIC CARE						21		20		20				
C174	PLAN INCLUDES OTHER NON-PHYSICIAN PROVIDERS						21		20		20				
C175	PLAN INCLUDES OUTPATIENT PRESCRIPTIONS						21		20		20				
C176	PLAN INCLUDES ROUTINE DENTAL CARE						21	9	20		20				
C177	PLAN INCLUDES ORTHODONTIC CARE						21		20		20				
C178	PLAN INCLUDES SKILLED NURSING FACILITY						21		20		20				
C179	PLAN INCLUDES HOME HEALTH CARE						21		20		20				
C180	PLAN INCLUDES INPATIENT MENTAL ILLNESS						21	9	20		20				
C181	PLAN INCLUDES OUT PATIENT MENTAL ILLNESS						21		20		20				
C182	PLAN INCL. ALCOHOL/SUBSTANCE ABUSE TREAT						21		20		20				
C183	COULD REFUSE COVERAGE: PRE-EXISTING COND						18a		17a	8a	17a				
C184	PRE-EXISTING CONDITION REFUSED IN REF. YEAR						18b		17b	8b	17b				

	QUESTIONNAIRE							E					
VARIABLE	LABEL	10	10M	11	11C	15	10 (S)	10M (S)	11 (S)	11C (S)	15 (S)		
C185	WAITING PERIOD FOR PRE-EXISTING CONDITIONS						19		18	9	18		
C186	PLAN OF FERED IN CURRENT YEAR (1999)						22a		21a	11a	21a		
C187	PLAN WAS REPLACED SIM/DIFF/DROPPED (1999)						22b		21b	11b	21b		
C188	1999 PLAN-TOTAL SINGLE ENROLLMENT						22c		21c	11c	21c		
C189	1999 PLAN-TOTAL FAMILY ENROLLMENT						22d		21d	11d	21d		
C190	1999 PLAN PREMIUM - SINGLE COVERAGE						22e		21e	11e	21e		
C191	1999 PLAN PREMIUM - FAMILY COVERAGE						22f		21f	11f	21f		
C192	OFFERED OPTION AL COVERAGE DEN TAL	E2a	C7	D2a	D2a	E2a							
C193	OFFERED OPTIONAL COVERAGE VISION	E2a	C7	D2a	D2a	E2a							
C194	OFFERED OPTIONAL COVERAGE PRESCRIP DRUG	E2a	C7	D2a	D2a	E2a							
C195	OFFERED OPTIONAL COVERAGE LONG-TERM CARE	E2a	C7	D2a	D2a	E2a							
C196	TOTAL AMT PAID OPTIONAL COVERAGE 1998	E2b		D2b	D2b	E2b							
C197	WAITING PERIOD FOR NEW EMPLOYEES	E3a	C6a	D3a		E3a							
C198	LENGTH OF TYPICAL WAITING PERIOD	E3b	C6b	D3b		E3b							
C199	TOTAL ANNUAL COST OF COVERAGE: ALL PLANS	E1		D1	D1	E1							
C200	TOTAL NUMBER OF EMPLOYEES THIS LOCATION	C2a	B1a	B1a	B1a	*							
C201	TOT AL EMPLOYEES ELIGIBLE FOR HEALTH INS.	C2b		B1b	B1b	B1b							
C202	TOTAL EMPLOYEES ENROLLED IN HEALTH INS.	C2c	B1b	B1c	B1c	B1c							
C203	TOTAL PART-TIME EMPLOYEES THIS LOCATION	C3a		B2a	B2a	B2a							
C204	TOTAL PART-TIME EMPLOYEES ELIGIBLE HLTH INS.	C3b		B2b	B2b	B2b							
C205	TOTAL PART-TIME EMPLOYEES ENROLLED HLTH INS	C3c		B2c	B2c	B2c							
C206	TOTAL TEMPORARY EMPLOYEES THIS LOCATION	C4a		B3a	B3a	ВЗа							

		QUESTIONNAIRE											
VARIABLE	LABEL	10	10M	11	11C	15	10 (S)	10M (S)	11 (S)	11C (S)	15 (S)		
C207	TOT AL TEMP EMPL. ELIGIBLE FOR HEALTH INS.	C4b		B3b	B3b	B3b							
C208	TOT AL TEMP EMPL. ENROLLED IN HEALTH INS.	C4c		ВЗс	ВЗс	ВЗс							
C209	RETIREES LT 65 ELIGIBLE HEALTH INS	E5a	C2a	D5a	D4a	C2a							
C210	RETIREES 65+ ELIGIBLE HEALTH INS	E5b	C2b	D5b	D4b	C2b							
C218	PHYSICIAN CARE COVERED						15c		14c		14c		
C221	NO ANNUAL OUT-OF-POCKET: INDIVIDUAL						16b		15b		15b		
C222	NO ANNUAL OUT-OF-POCKET: FAMILY						17b		16b		16b		
C224	MULT. INDIV. DEDUCT. TO MEET FAMILY DEDUCT.						14a		13a		13a		
C540	DOES ESTAB HAVE PART-TIME EMPLOYEES		ВЗа										
C541	OFFERS H.I. BENEFITS TO PART-TIME EES		B3b										
C551	PROVIDED HEALTH INS TO RETIREES	E4	C1	D4	D3	C1							
C552	SINGLE COVERAGE IS OFFERED						9a	6a	8a		8a		
C553	TIME PERIOD PREMIUM PAID						10e	7d	9e		9e		

<sup>\* -</sup> Number prorated from company total and percentage identified at this location